

Recombinant Human MYLK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYLK2-1032H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYLK2 MS Standard C13 and N15-labeled recombinant protein (NP_149109) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle.
Molecular Mass	64.7 kDa
AA Sequence	MATENGAVELGIQNPSTDKAPKGPTGERPLAAGKDPGPPDPKKAPDPPTLKKDAKA PASEKGDGTLAQPSTSSQGPKGEGDRGGGPAEGSAGPPAALPQQTATPETS VKKP KAEQGASGSQDPGKPRVGKAAEGQAAARRGSPAFLHSPSCPAIISSEKLLAKKP PSEASELTFEGVPMTHSPTDPRPAKAEKGKNI LAESQKEVGEKTPGQAGQAKMQG DTSRGIEFQAVPSEKSEVGQALCLTAREEDCFQILDDCPPPPAPFPHRMVELRTGNV SSEFSMNSKEALGGGKFGAVCTCMEKATGLKLA AKVIKKQTPKDKEMVLLIEVMN QLNHRNLIQLYAAIETPHEIVLFMEYIEGGELFERIVDE DYHLTEVDTMV FVRQICD GIL FMHKMRVLHLDLKPENILCVNTTGHLVKIIDFGLARRYNPNELKLVNFGTPEFLSPEV VNYDQISDKTDMWSMGVITYMLLSGLSPFLGDDDTETLNNVLSGNWYFDEETFEAV SDEAKDFVSNLIVKDQ RARMNAAQCLAHPWLNNLA EKAKRCNRRLKSQILLKKYLM KRRWKKNFIAVSAANRFKKISSSGALMALGVTRTRPLEQKLISEEDLAANDILDYKDD

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	DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MYLK2 myosin light chain kinase 2 [Homo sapiens (human)]
Official Symbol	MYLK2
Synonyms	MYLK2; myosin light chain kinase 2; myosin light chain kinase 2, skeletal muscle; myosin light chain kinase 2, skeletal/cardiac muscle; KMLC; MLCK2; skeletal muscle myosin light chain kinase; skMLCK; MLCK;
Gene ID	85366
mRNA Refseq	NM_033118
Protein Refseq	NP_149109
MIM	606566

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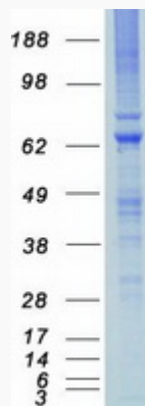
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UniProt ID

Q9H1R3

SDS-PAGE



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